PATENT ABSTRACTS OF JAPAN

(11) Publication number:

01-133551

(43) Date of publication of application: 25.05.1989

(51)Int.CI.

H02K 23/26

(21)Application number: 62-243577

(71)Applicant: SHICOH ENG CO LTD

(22)Date of filing:

30.09.1987

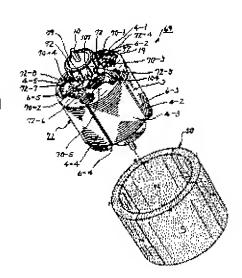
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(54) FIVE-PHASE D.C. MOTOR IN WHICH ARMATURE WINDING IS NOT OVERLAPPED (57)Abstract:

PURPOSE: To increase the number of torque ripples, and to conduct smooth revolution by using a commutator, commutator bars of which are made larger than a five-phase D.C. motor by five and which is composed of ten commutator bars.

CONSTITUTION: A rotor armature core 3 for a five-phase D.C. motor 69 has five salient poles $4-1\sim4-5$ and five slots $6-1\sim6-5$ for inserting windings formed by these salient poles. Armature windings $70-1\sim70-5$ are wound and mounted to the rotor armature core 3, thus constituting a rotor armature 71. A field pole 50 organizing a stator is composed of four magnetic poles. A commutator 72 is constructed of ten commutator bars.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]